

5 DELIVERY OF DNA OR RNA VIA GAP JUNCTIONS FROM HOST CELLS TO
TARGET CELLS AND A CELL-BASED DELIVERY SYSTEM FOR ANTISENSE OR
siRNA

Abstract of the Disclosure

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A method of delivering an oligonucleotide or a plasmid expressing an oligonucleotide into a target cell comprises introducing an oligonucleotide into a donor cell, particularly a stem cell, and contacting the target cell with the donor
15 cell under conditions permitting the donor cell to form a gap junction with the target cell, whereby the oligonucleotide or a product of the oligonucleotide is delivered into the target cell from the donor cell.